

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/007,093**

DATE: 02/24/98  
TIME: 11:44:36

**INPUT SET: S23619.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## SEQUENCE LISTING

- 3 (1) General Information:  
4  
5 (i) APPLICANT: Anand, Naveen N  
6 Barber, Brian H  
7 Cates, George A  
8 Caterini, Judith E  
9 Klein, Michel H  
10  
11 (ii) TITLE OF INVENTION: CHIMERIC ANTIBODIES FOR DELIVERY OF  
12 ANTIGENS TO SELECTED CELLS OF THE IMMUNE SYSTEM  
13  
14 (iii) NUMBER OF SEQUENCES: 20  
15  
16 (iv) CORRESPONDENCE ADDRESS:  
17 (A) ADDRESSEE: Sim & McBurney  
18 (B) STREET: Suite 701, 330 University Avenue  
19 (C) CITY: Toronto  
20 (D) STATE: Ontario  
21 (E) COUNTRY: Canada  
22 (F) ZIP: M5G 1R7  
23  
24 (v) COMPUTER READABLE FORM:  
25 (A) MEDIUM TYPE: Floppy disk  
26 (B) COMPUTER: IBM PC compatible  
27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
29  
30 (vi) CURRENT APPLICATION DATA:  
31 (A) APPLICATION NUMBER:  
32 (B) FILING DATE:  
33 (C) CLASSIFICATION:  
34  
35 (vii) PRIOR APPLICATION DATA:  
36 (A) APPLICATION NUMBER: US 08/483,576  
37 (B) FILING DATE: 07-JUN-1995  
38  
39 (viii) ATTORNEY/AGENT INFORMATION:  
40 (A) NAME: Stewart, Michael I  
41 (B) REGISTRATION NUMBER: 24,973  
42 (C) REFERENCE/DOCKET NUMBER: 1038-765  
43  
44 (ix) TELECOMMUNICATION INFORMATION:  
45 (A) TELEPHONE: (416) 595-1155  
46 (B) TELEFAX: (416) 595-1163

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/007,093DATE: 02/24/98  
TIME: 11:44:39

INPUT SET: S23619.raw

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49 (2) INFORMATION FOR SEQ ID NO:1:

50

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 387 base pairs

53 (B) TYPE: nucleic acid

54 (C) STRANDEDNESS: single

55 (D) TOPOLOGY: linear

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61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

62

63 ATGGACATGA GGGTTCCTGC TCACGTTTTT GGCTTCTTGT TGCTCTGGTT TCCAGGTACC 60

64

65 AGATGTGACA TCCAGATGAC CCAGTCTCCA TCCTCCTTAT CTGCCTCTCT GGGACAAAGA 120

66

67 GTCAGTCTCA CTTGTCGGGC AAGTCAGGAA ATTAGTGGTT ACTTAACCTG GCTTCAGCAG 180

68

69 AAACCAGATG GAACTATTAA ACGCCTGGTC TACGCCGCGT CCACTTTAGA TTCTGGTGTC 240

70

71 CCAAAAAGGT TCAGTGGCAG TAGGTCTGGG TCAGATTATT CTCTCACCAT CAGCAGCCTT 300

72

73 GAGTCTGAAG ATTTTGCAGA CTATTACTGT CTACAATATA CTAATTATCC GCTCACGTTC 360

74

75 GGTGCTGGGA CCAAGCTGGA GCTGAAA 387

76

77 (2) INFORMATION FOR SEQ ID NO:2:

78

79 (i) SEQUENCE CHARACTERISTICS:

80 (A) LENGTH: 129 amino acids

81 (B) TYPE: amino acid

82 (C) STRANDEDNESS: single

83 (D) TOPOLOGY: linear

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89 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

90

91 Met Asp Met Arg Val Pro Ala His Val Phe Gly Phe Leu Leu Leu Trp

92 1 5 10 15

93

94 Phe Pro Gly Thr Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ser Ser

95 20 25 30

96

97 Leu Ser Ala Ser Leu Gly Gln Arg Val Ser Leu Thr Cys Arg Ala Ser

98 35 40 45

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# RAW SEQUENCE LISTING PATENT APPLICATION US/09/007,093

DATE: 02/24/98  
TIME: 11:44:42

INPUT SET: S23619.raw

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100      Gln Glu Ile Ser Gly Tyr Leu Thr Trp Leu Gln Gln Lys Pro Asp Gly
101      50                               55                               60
102      Thr Ile Lys Arg Leu Val Tyr Ala Ala Ser Thr Leu Asp Ser Gly Val
103      65                               70                               75                               80
104      Pro Lys Arg Phe Ser Gly Ser Arg Ser Gly Ser Asp Thr Ser Leu Thr
105      85                               90                               95
106      Ile Ser Ser Leu Glu Ser Glu Asp Phe Ala Asp Tyr Tyr Cys Leu Gln
107      100                             105                             110
108      Tyr Thr Asn Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu
109      115                             120                             125
110      Lys
111
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## (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 420 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

```

131      ATGGCTCTCC TGGTACTGTT CCTCTCCCTG GCTGCATTTC CAAGCTGTGG TGTCTGTGCC      60
132
133      CAGGTGCAGC TGAAGGAGTC AGGACCTGGC CTGGTGGCGC CCTCACAGAG CCTGTCCATC      120
134
135      ACTTGCACTG TCTCTGGGTT TTCATTAACC AGCTATGGTG TACACTGGGT TCGCCAGCCT      180
136
137      CCAGGAAAGG GTCTGGAGTG GCTGGGAGTA ATATGGGCTG GTGGAAGCAT AAATTATAAT      240
138
139      TCGGCTCTCA TGTCCAGACT GAGCATCAGC AAAGACAACT TCAAGAGCCA AGTTTCTTA      300
140
141      AAAATGAGCA GTCTGCAAAC TGATGACACA GCCATGTACT ACTGTGCCAG AGCCTATGGT      360
142
143      GACTACGTCC ACTATGCTAT GGACTACTGG GGTCAAGGAA CCTCAGTCAC CGCCTCCTCA      420
144
145
146
147
148
149
150
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152

```

## (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 140 amino acids
  - (B) TYPE: amino acid

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**INPUT SET: S23619.raw**

153 (C) STRANDEDNESS: single  
154 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

```

(x1) SEQUENCE
Met Ala Leu Leu Val Leu Phe Leu Ser Leu Ala Ala Phe Pro Ser Cys
1          5          10          15
20 Gly Val Leu Ser Gln Val Gln Leu Lys Glu Ser Gly Pro Gly Leu Val
25          30
Ala Pro Ser Gln Ser Leu Ser Ile Thr Cys Thr Val Ser Gly Phe Ser
35          40          45
50 Leu Thr Ser Tyr Gly Val His Trp Val Arg Gln Pro Pro Gly Lys Gly
55          60
Leu Glu Trp Leu Gly Val Ile Trp Ala Gly Gly Ser Ile Asn Tyr Asn
65          70          75          80
Ser Ala Leu Met Ser Arg Leu Ser Ile Ser Lys Asp Asn Phe Lys Ser
85          90          95
100 Gln Val Phe Leu Lys Met Ser Ser Leu Gln Thr Asp Asp Thr Ala Met
105          110
Tyr Tyr Cys Ala Arg Ala Tyr Gly Asp Tyr Val His Tyr Ala Met Asp
115          120          125
Tyr Trp Gly Gln Gly Thr Ser Val Thr Ala Ser Ser
130          135          140

```

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 34 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

(X1) SEQUENCE DESCRIPTION

Gly Pro Lys Glu Pro Phe Arg Asp Tyr Val Asp Arg Phe Tyr Lys Asn  
1 5 10 15

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/007,093DATE: 02/24/98  
TIME: 11:44:49

INPUT SET: S23619.raw

206 Lys Arg Lys Arg Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr  
207 20 25 30  
208  
209 Lys Asn  
210  
211  
212 (2) INFORMATION FOR SEQ ID NO:6:  
213  
214 (i) SEQUENCE CHARACTERISTICS:  
215 (A) LENGTH: 108 base pairs  
216 (B) TYPE: nucleic acid  
217 (C) STRANDEDNESS: single  
218 (D) TOPOLOGY: linear  
219  
220  
221  
222  
223  
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
225  
226 GGTCTAAAG AACCTTTTAG AGACTATGTT GATAGGTTTT ATAAGAATAA GAGGAAGAGG 60  
227  
228 ATACATATAG GGCCTGGTAG GGCTTTTTAT ACTACTAAGA ATTAATAA 108  
229  
230 (2) INFORMATION FOR SEQ ID NO:7:  
231  
232 (i) SEQUENCE CHARACTERISTICS:  
233 (A) LENGTH: 60 base pairs  
234 (B) TYPE: nucleic acid  
235 (C) STRANDEDNESS: single  
236 (D) TOPOLOGY: linear  
237  
238  
239  
240  
241  
242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
243  
244 CATTATGGAT CCGGTCCTAA AGAACCTTTT AGAGACTATG TTGATAGGTT TTATAAGAAT 60  
245  
246  
247 (2) INFORMATION FOR SEQ ID NO:8:  
248  
249 (i) SEQUENCE CHARACTERISTICS:  
250 (A) LENGTH: 51 base pairs  
251 (B) TYPE: nucleic acid  
252 (C) STRANDEDNESS: single  
253 (D) TOPOLOGY: linear  
254  
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PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/007,093**

DATE: 02/24/98  
TIME: 11:44:53

**INPUT SET: S23619.raw**

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